Attachment I

STATEMENT OF WORK

1. Study and Preliminary Design

1.1 A study program will be performed as a continuation of the objectives designated under prior Contract No. OM 5400 and as outlined in Document No. 68 dated October 20, 1959. Primary objective of this program will be extensive study and evaluation of all feasible systems in an effort to determine the optimum system. Acceptance of the contractor's recommendation of the optimum system will constitute approval to proceed in the final design of the system configuration.

1.2 Final design effort will proceed pending this approval. If written approval or disapproval is not received within fifteen (15) days after submission, approval will be considered as granted. In this case formal written approval must be furnished by the customer within forty-five (45) days after submission of the above recommendation.

1.3 The effort described in paragraph 1.1 above has been completed with the submission of Section 1. of Document No. 119 and the Contractor's recommendation of the "T" system.

1.4 Delivery - March 4, 1960

2. Final Design

2.1 Design layout drawings of a prototype system will be prepared in accordance with the objectives approved under item 1, in sufficient detail to indicate the overall configuration of the system, and the critical dimensions for mounting and operation.

These drawings will be submitted to the Customer for approval prior to final detailing of all parts or release of final details to manufacturing facilities.

2.2 Detailing and release of detail parts for manufacture will proceed pending this approval. If written approval or disapproval is not received within fifteen (15) days after submission, approval will be considered granted. In this case, formal written approval must be furnished by the customer within forty-five (45) days after submission of the above design layout drawings.

2.3 Delivery - May 15, 1960

2.4 One set of blueprints of the drawings used by the contractor in the manufacture of the systems will be furnished on request at any time after delivery of the last system.

3. One (1) Prototype System

3.1 A prototype system will be fabricated in accordance with the design approved under item 2 and in accordance with the design and performance objectives outlined in Section 1. of Document 119 above.

3.2 Delivery of the prototype system will be made to the Test Site indicated by the Customer no later than September 1, 1961. Purpose of delivery to the Test Site will be Test for Customer acceptance of the system.

4. Five (5) Additional Systems

4.1 Five (5) additional units of the prototype system will be fabricated in accordance with the design approved under item 2 and in accordance with the design and performance objectives outlined in Section 1. of Document No. 119, above. Incorporation of modifications or devices other than are required in conformance

with the design and performance objectives outlined in Section 1. of Document #119 will be considered above the scope of the contract and subject to negotiation.

4.2 Delivery of the five (5) additional units of the prototype system will be made to a Test Site within a seven (7) months period following delivery of the prototype system (item 3).

5. Acceptance Tests

5.1 Acceptance by the Customer of each system will be contingent upon successful tests of the system in the vehicle. Acceptance Tests will be conducted by the Contractor in conjunction with and utilizing facilities provided by the Customer. Initiation of and successful completion of Acceptance Tests will be contingent upon the availability of all Customer furnished equipment or facilities necessary to evaluate the system for the performance characteristics as outlined in Section 1. of Document #119 above.

5.2 Completion of Acceptance Tests for the prototype system (item 3) should be no later than six (6) months after delivery of the system provided that all Customer furnished equipment and facilities required have been continuously available to permit an average acceptance test rate of three (3) tests per week. Written final acceptance of the prototype will be furnished by the customer within seven (7) days after satisfactory Acceptance Tests have been completed.

5.3 Completion of Acceptance Tests for the five (5) additional units (item 4) should be no later than four (4) months after delivery of the final unit provided that all Customer furnished equipment

or facilities have been continuously available to permit an average acceptance test rate of three (3) tests per week. Written final acceptance of each unit of item 4 will be furnished by the customer within seven (7) days after each units satisfactory acceptance test is completed.

5.4 In the event the facilities as stated in paragraph 5.2 and 5.3 above are not available negotiations for a contract amendment will be considered.

6. Field Support Equipment

6.1 Field Support Equipment will be fabricated or purchased suitable for test and service of system operation in conjunction with acceptance tests at a single field location. The types of equipment to be provided are listed on Attachment "B".

6.2 Field Support Equipment will be delivered with the prototype system, item 3.

7. Spare Parts for Support of Acceptance Tests

7.1 Spare parts will be provided sufficient to support each system in the field for the duration of its Acceptance Test program as described in item 5 above.

8. Instruction Manuals

8.1 The contractor shall provide labor, materials, supplies and services necessary to prepare the following manuals.

1. General System Manual
2. Individual Instruction Manuals for each of the following:
   a. Optical System
   b. Windows
   c. Stabilization Equipment
   d. Film Transport Mechanism
   e. Electronic Equipment

8.2 The General System Manual will be similar to those supplied under contract #HF-20-80. It shall present a general understanding of the overall system and its function. Half-tone line drawings and other necessary illustrations shall be included.

8.3 Individual Instruction Manuals shall be loose leaf manuals similar to those supplied under contract #HF-20-80. Each manual shall present sufficient instructions to permit a factory trained technician to perform general and special maintenance of the equipment in the field.

8.3.1 The Instruction Manual for the Optical System shall each be devoted to this system alone.

8.3.2 The Instruction Manual for the windows shall be devoted to the windows and their mountings alone.

8.3.3 The Instruction Manual for the Stabilization Equipment shall include the following:

Pointing Reference

Vibration Isolation

Caging Mechanism

and directly related equipment.

8.3.4 The Instruction Manual for the film transport mechanism shall be devoted to that mechanism alone.

8.3.5 The Instruction Manual for the Electronic Systems shall cover the following:

Operator Control

Data

V/H Sensor

Exposure Control

Power Supply

and directly related electronic equipment.

8.4 Delivery of the General System Manual shall be three months after assembly of the first prototype instrument.

8.5 Delivery of the first preliminary Instruction Manuals shall be made at the time of shipment of the first prototype from the contractor's plant to the customer's test site.

ATTACHMENT "B"

FIELD SUPPORT EQUIPMENT FOR SIX (6) SYSTEMS

Collimator with six (6) large flats to permit observation of oblique positions.

Tools, meters, etc.

Elec.-mech. check-out consoles:

Configuration

Window

Hatch

Pilot control

Film viewing table and microscope

Film rewinds

Dollies, Lifts, Hoists, Stands

Desiccation Equipment

Power Cart

Cabinets, Benches, Vacuum Cleaner, Office Equipment

Special Clothing

Flight Test Instrumentation

Photographic Equipment and Supplies

Optical Test Apparatus

Strength Tester

Vacuum Tester

Cycle Tester